



#1010
QuartzGuard
 Interior & Exterior
 Silicate Dispersion
 Paints & Stains

| Safety Data Sheet (SDS) | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Section I: Manufactured/Supplied by: PermaTint Limited 100 Bradwick Dr, Concord, ON L4K 1K8 www.permatint.com info@permaint.com | Date: July 2, 2021 Emergency Phone: 1.866.850.8468 Trade Name: #1010 QuartzGuard Chemical Type & Function: Potassium Silicate Based Interior/Exterior Paint & Stain |

Section II: Hazards Identification

2.1 Emergency overview – n/a

2.2 Regulatory status – n/a

| | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2.3 Potential health effects Route of Entry: i. inhalation – n/a ii. skin contact – slight irritation possible iii. skin absorption – n/a iv. eye contact – irritant of eyes and a. other mucous membranes v. ingestion – unlikely route of entry | Effects of acute exposure – slight irritation possible Effects of chronic exposure - none Irritancy – can cause dry skin or irritated eyes Sensitization – n/a Carcinogenicity - none Reproductive toxicity - none Teratogenicity - none Mutagenicity - none Toxicologically synergistic products – n/a |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Section III: Composition/Information on Ingredients

| Material/Component | Content | Hazard Identification | CAS Number |
|-------------------------------------------------------------------------------------------|---------|-----------------------|------------------------|
| Mineral Fillers and Pigments (titanium dioxide, chalk, iron oxides, calcite, kaolin clay) | >50 % | Non-hazardous | Various |
| Water | >25 % | Non-hazardous | None |
| Liquid Potassium Silicate Solution | <25 % | Alkaline pH = 11.0 | 1312-76-1 |
| Methacrylate Dispersion w/ <50% solids | <10 % | Alkaline pH = 8.5 | 1336-21-6 |
| Ammonia Solution | <1 % | Alkaline pH = 8.5 | n/a |
| Sodium Phosphonate Stabilizer | <1 % | Alkaline pH = 11.5 | 1310-73-2 |
| Polysaccharide, Cellulose | <1 % | Non-hazardous | n/a |
| Fatty Acid Defoamer | <1 % | Eye irritant pH=4.0 | 126-71-6 51668-30-5 |

Section IV: First Aid Measures

| Route of Exposure | 4.1 First Aid Procedures | 4.2 Note to Physicians |
|-------------------|----------------------------------------------------------------|------------------------|
| Inhalation | n/a | n/a |
| Skin Contact | Wash with soap and water and Remove affected clothing | n/a |
| Skin Absorption | n/a | n/a |
| Eye Contact | Rinse immediately with large quantity of water (10-15 mins) | n/a |
| Ingestion | Call physician | Non-toxic |



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Section V: Fire Fighting Measures

- 5.1 Flammable properties – non-combustible, see section 9
- 5.2 Extinguishing media – non-combustible
- 5.3 Protection to Firefighters – n/a

Section VI: Accidental Release Measures

| | | | |
|--------------------------------------|------------------------------------|---------------------------------|------------------------------------------------------------------------------------------|
| 6.1 Personal Precautions | Wear gloves and protective eyewear | 6.4 Methods for clean-up | Use absorbent material to limit spread. Allow to dry and dispose of with regular garbage |
| 6.2 Environmental Precautions | Do not place in drains | 6.5 Other Information | Always confirm compliance with local regulations |
| 6.3 Methods for Containment | n/a | | |

Section VII: Handling & Storage

- 7.1 Handling – Apply standard industrial hygiene when handling chemicals, do not throw or drop pails in order to prevent leakage.
- 7.2 Storage – Store at temperatures between +5C (40 F) to +30C (86 F). Do not store with strong oxidizers.

Section VIII: Exposure Controls/Personal Protection

| | | | |
|----------------------------------|----------------------------------------------|---------------------------------------------|-----------------------------------------|
| 8.1 Exposure Guidelines | No exposure limit | 8.3.2 Skin Protection | Gloves recommended |
| 8.2 Engineering Controls | n/a | 8.3.3 Respiratory Protection | Wear respirator for sprayer application |
| 8.3.1 Eye/Face protection | Strongly recommended when working above head | 8.3.4 General Hygiene Considerations | n/a |

Section IX: Physical and Chemical Properties

| | | | |
|---------------------|-----------------------------------------------------------|------------------------|--------------------------------------------|
| Physical State | Liquid | Boiling Point | Same as water |
| Odor and appearance | Color depending on pigment Light ammonia odor when wet | Freezing Point | Same as water |
| Odor threshold | n/a | pH | 7.5 |
| Specific Gravity | 1.45 @ 20C (68 F) | Water/oil distribution | n/a |
| Vapor Pressure | Same as water | Vapor Density | n/a |
| Evaporation Rate | Same as water | Flammability | Non-Combustible – inhibits flame spreading |



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Section X: Stability and Reactivity

| | | | |
|------------------------------------|------------------|------------------------------------------------|-----|
| 10.1 Chemical stability | High | 10.4 Hazardous Decomposition products | n/a |
| 10.2 Conditions to avoid | n/a | 10.5 Possibility of hazardous reactions | n/a |
| 10.3 Incompatible materials | Strong oxidizers | | |

Section XI: Toxicological Information

| | | | |
|-----------------------------|---------------------------|----------------------------------------------|--------------------------------------------------|
| LD50 | Not determined | Carcinogenicity | No evidence of classification criteria being met |
| LC50 | Not determined | Reproductive toxicity | No evidence of classification criteria being met |
| Effects of acute exposure | May cause skin irritation | Teratogenicity | No evidence of classification criteria being met |
| Effects of chronic exposure | None | Mutagenicity | No evidence of classification criteria being met |
| Irritancy of product | Slight to none | Name of Toxicologically Synergistic products | n/a |
| Sensitization to product | None | | |

Section XII: Ecological Information

There are no specific requirements for this subsection

Section XIII: Disposal Considerations

Allow to dry and dispose of with regular household waste

Section XIV: Transport Information

14.1 Basic shipping information – Product is non-toxic, non-flammable and completely non-hazardous

14.2 Additional Information – Prevent pails from tipping over to avoid spillage

Section XV: Regulatory Information

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

Section XVI: Other Information

Prepared by: PermaTint Limited (manufacturer/supplier). 100 Bradwick Dr, Concord, ON, Canada, L4K 1K8. 1.866.850.8468
 November 15, 2016